

IN THE SPECIFICATION

Please amend the Title on page 1 as follows:

ANTIFRICTION BEARING UNIT HAVING A SENSOR AND A RESOLVER

Please insert the heading on page 1 between lines 5 and 6 as follows:

Field of the Invention

Please insert the heading on page 1 between lines 7 and 8 as follows:

Discussion of the Background

Please replace the paragraph at page 1, lines 16-27, with the following rewritten paragraph:

It is ~~strongly required~~ essential that sensor-equipped antifriction bearing units of the type mentioned be improved in resolution in detecting rotation and reduced in diameter. In the case where the pulser ring is used, the resolution is dependent on the number of poles of the pulser ring which are provided by magnetization, so that ~~[[an]]~~ improvement in resolution requires an increase in the number of poles. However, this results in a lower magnetic flux density, diminishing the absolute value of signal output of the sensor device and entailing the problem that rotation can no longer be measured accurately. Thus, the improvement in resolution is limited.

Please replace the paragraph at page 3, lines 8-15, with the following rewritten paragraph:

The term “machining” as used herein does not mean joining of a member to be made into a rotor to the outer ring member or inner ring member as by a press fit, but instead means

to form the face of the rotor to be detected on an inner peripheral portion of the outer ring member which has a raceway on the inner periphery thereof, or on an outer peripheral portion of the inner ring member which has a raceway on the outer periphery thereof, for example, by cutting.

Please replace the paragraph at page 7, lines 14-28, with the following rewritten paragraph:

The wiring for the stator is led to the outside through an opening in the end portion of the stationary-side raceway member in the form of a hollow cylinder, and a hollow cylindrical cover having a bottom is provided over the end portion opening of the stationary-side raceway member, the cover having at the bottom thereof a connector member to be provided with a signal transmission harness. The stator is fixed to the cover, and the cover is fixed to the stationary-side raceway member. Alternatively, the stator may be fixed directly to the stationary-side raceway member by a press fit without using an intervening cover. A wiring member including a lead wire and a connector pin is fixedly embedded in a resin filling the interior thereof. In this [[way]] manner, the wiring for the stator can be led to the outside easily and be free of the likelihood of breaking.

Please replace the paragraph at page 12, lines 13-20, with the following rewritten paragraph:

The antifriction bearing 21 is a double-row angular ball bearing and comprises an outer ring member 23 serving as a stationary ring, two inner ring members 24 serving as rotatable rings, balls 25 serving as rolling bodies arranged in two rows between these members 23, 24, and retainers 26 for holding the balls 25 in the respective rows. Although

not shown, the outer ring member 23 is fixed to a housing or the like, and the ~~inner~~ inner ring members 24 have a rotating shaft or the like fixed thereto.

Please replace the paragraph at page 21, lines 14-20, with the following reformatted paragraph:

The rotor 78 of this embodiment has exactly the same shape as the one shown in FIG. 7 in vertical section. As will be apparent from FIG 11 corresponding to FIG. 8, a cutout 81 is formed in a cylindrical face concentric with the axis of the hub unit 71, i.e., the center axis of the stator 77, in place of an eccentric cylindrical face to provide the face of the rotor 78 to be detected.

Please amend the original Abstract at page 27, lines 1-8 on a separate sheet as follows: